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Product Data Sheet

SO DPM

ONE COAT DAMP PROOF MEMBRANE



Description:

Lee Floorstok One Coat DPM is a two component, solvent free, one coat epoxy Damp Proof Membrane. One Coat DPM is suitable for use on a wide range of substrates including concrete, sand/cement screeds, anhydrite and calcium sulphate screeds.

Suitable Sub Floors:

- Mastic Asphalt screed
- Calcium Sulphate Floors (no moisture barrier)
- Wooden Planks, solid wood fibre boards
- Chipboards V100, OSB Boards
- Stone, ceramic, terrazzo, tiles
- Cement Floors
- Concrete Floors with residual moisture

Features / Benefits:

- 2 Component easy to use container
- Suitable for use on surfaces with a moisture reading of 97% RH
- Suitable for use on underfloor heating systems
- Can be use as part of a system in conjunction with So Universal Primer, So Fast 30 & So Low odour levelling compounds
- Can be used when no structural DPM is in place

Technical Data:

- Packaging: 2 Part Metal Container
- Pack Size: 3kg / 10kg
- Working time: approx. 30min – 45min
- Optimum working temperature 20°C – 30°C
- Coverage: Please see application section

Preparation:

Before Starting, all substrates must be clean, structurally sound and free from any surface water, dust, dirt or other contaminants which may affect adhesion. Any existing floor screeds that are not moisture tolerant must be removed before application. When applying to existing under floor heating systems, the heating must be turned off 48 hours prior to application. When applying to new underfloor systems, the heating system must be commissioned prior to applying the product.

Mixing:

Bring both components to temperature of approximately 15°C before use. Make several holes in the hollow lid with a large screwdriver and allow the hardener to drain into the resin. After 2 minutes remove the lid. Mix both components for at least 2 minutes with a drill until an even colour is achieved. Always mix full container quantities in order to maintain mix proportions.

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Application:

Apply one coat mixed membrane with a straight-edged trowel or roller ensuring that the membrane is applied consistently, avoiding over application. Apply at temperatures above 10°C.

95-97% RH:

Apply the one coat of mixed membrane ensuring a uniform, pin-hole free finish. Apply to a maximum coverage rate 6-7m² (3kg) 20-22m² (10kg). The coverage rate will depend on the porosity of the substrate and the site conditions.

Below 95% RH:

Apply the one coat of mixed membrane ensuring a uniform, pin-hole free finish. Apply to a maximum coverage rate of approximately 9m² (3kg) 30m² (10kg). Up to 87% RH on Anhydrite / Calcium Sulphate Screeds: Apply the one coat of mixed membrane ensuring a uniform, pin-hole free finish. Apply to maximum coverage rate of 7.5m²(3kg) 25m² (10kg).

Please Note:

When applying One Coat DPM to a substrate where a structural damp proof membrane is not present or is ineffective, this product must be applied as a 2 coat system. Apply both coats to a coverage rate of 5.5 -7.5m² (3kg) 19 – 25m² (10kg), the coverage rate depends on the type of substrate and the porosity of the substrate. The first coat must be left to fully cure before applying the second coat and the second coat must be applied at right angles to the first coat. After applying One Coat DPM, the ideal outcome is a glossy tack free and pin-hole free application. If the final appearance of the product after application is dull this may indicate that the product has been absorbed into the substrate and a second coat may be necessary. Likewise if the final appearance shows signs of pin-holes, a second coat of DPM will be required.

Drying Time:

In ideal conditions, the applied DPM can be ready to receive a smoothing compound after as little as 6 - 16 hours drying time. If the applied DPM is tacky, this indicates that the DPM has not fully cured and therefore additional curing time should be allowed before covering.

Pot Life:

Approximately 45 minutes at 20°C.

Colour:

When mixed as a liquid, the colour of the membrane is similar to a straw colour. Once dried the membrane becomes colourless. However the finished dried membrane does intensify the colour of the substrate therefore making it easy to see where the membrane has been applied.

Shelf Life:

12 months if stored in a sealed container in frost free conditions.

Health and Safety:

Avoid contact with skin and eyes. During use wear appropriate PPE including gloves and goggles. Keep large working areas well ventilated at all times. For further information refer to the material safety data sheet.

Disposal:

Once the mixed product has cured it is classed as non-hazardous and can be disposed of in normal waste streams. Dispose of empty packing in accordance with local authority regulations.